



IL10

1 AAACCACAAGACAGACTTTGCAAAAGAAGGCATGCACAGCTCAGCACTGCTCTGTTGCCTGGTCCTCCTGACT
TTTGGTGTCTGTCTGAACGTTTTCTCCGTACGTGTGAGTCTGACGAGACAAACGGACAGGAGGACTGA
73 GGGGTGAGGGCCAGCCAGCCAGGGCACCCAGTCTGAGAACAGCTGCACCCACTTCCCAGGCAACCTGCCTA
CCCCACTCCCGGTCCGGTCCGGTCCCGTCCGTCAGTCTTGTGACGTGGTGAAGGTCCGTTGGACGGAT
146 ACATGCTTCGAGATCTCCGAGATGCCTTCAGCAGAGTGAAGACTTTCTTCAAATGAAGGATCAGCTGGACAAC
TGTACGAAGCTCTAGAGGCTCTACGGAAGTCTGCTCACTTCTGAAAGAAAGTTTACTTCTAGTCGACCTGTTG
220 TTGTTGTTAAAGGAGTCTTGTGAGGACTTTAAGGGTTACCTGGGTTGCCAAGCCTTGTCTGAGATG
AACACAATTTCTCAGGAACGACCTCCTGAAATCCCAATGGACCAACGGTTCGGAACAGACTCTAC

COX2

1 GTCCAGGAACTCCTCAGCAGCGCCTCCTTCAGCTCCACAGCCAGACGCCCTCAGACAGCAAAGCCTACCCCG
CAGTCTTGGAGAGTCTGCGCGGAGGAAGTCAGGTGTGGTCTGCGGAGTCTGTCTTTCGGATGGGGC
74 CGCCGCGCCCTGCCGCGGCTGCGATGCTCGCCGCGCCCTGCTGCTGTGCGCGGTCTGGCGCTCAGCCATACA
GCGGCGCGGACGGGCGGACGCTACGAGCGGCGCGGACGACACGCGCCAGGACCGGAGTCTGTTG
149 GCAAATCCTTGCTGTTCCACCCATGTCAAACCGAGGTGTATGTATGAGTGTGGGATTTGACCAATATAAGTGG
CGTTTAGGAACGACAAAGGTGGTACAGTTTTGGCTCCACATACATACTCACACCCTAAACTGGTCATATTACGC
225 ATTGTACCCGGACAGGATTCTATGGAGAAAAGTCTCAACACCGGAATTTTTGACAAGAATAAAATTATTC
TAACATGGCCTGTCTAAGATACCTTTTTGACGAGTTGTGGCCTAAAAACTGTTCTATTTTAATAAAG




YY1

1 CGCCGAGACGAGCAGCGGCGGAGCGAGCGCGGGCGGGCGCACCGAGGCGAGGGAGGCGGGGAAGCCCCGCGCGG
GCGGCTCTGCTCGTCCGCGGCTCGCTCGCGCCCGCGCCGCGTGGCTCCGCTCCCTCCGCCCTTCCGGGCGGCGG
78 CCGCCCCGCGCGCCCTTCCCCGCGCGCGCGCCCTCTCCCCCGCGCGCTCGCGGCTTCTCCTCTGCCTT
GGCGGGCGGGCGGGGAAGGGGGCGGCGGGCGGGGAGAGGGGGCGGGGAGCGGGGAAGGAGGGAGACGGAA
153 CCTTCCCCACGGCGGCGGCTCCTCGCCCGCGCGCGCAGCCGAGGAGCCGAGGCGCGCGCGGCGGCGTGGCGG
GGAAGGGTGGCGGCGGCGGAGGAGCGGCGGGCGGGCGTGGCTCCTCGGCTCGGCGGCGCGGCGGCGGCGG
228 GGAGCCCTCAGCCATGGCTCTCGGGGACACCTCTACATCGCCACGGACGGCTCGGAGATGCCGGCCGAGATCGTGG
CCTCGGAGTCTGGTACCGGAGCGCGCTGTGGGAGATGTAGCGGTGCCTGCCGAGCCTCTACGGCGGCTCTAGCACC
305 AGCTGCACGAGATCGAGGTGGAGACCATCCCGGTGGAGACCATCGAGACCACAGTGGTGGGCGAGGAGGAG
TCGACGTGCTCTAGCTCCACCTCTGGTAGGGCCACCTCTGGTAGCTCTGGTGTACCACCCGCTCCTCCTCC

IRF2

1 AACTGACGGGCTTTCAATTTCCATTTACACACCCTAGCAACACTTATACCTTGCAGGAATTGTATTGTAGC
TTGACTGCCCAGAAAGTAAAGTAAAGTGTGTGGGATCGTTGTGAATATGAAACGCCTTAACATAACTATCG
72 GTGAAAAAAGCACACTGAGAGGGCACCATGCCGTGGAAGGATGCCATGCGCCGCTGGCTGGAGGAGCAGAT
CACTTTTTCTGTGACTCTCCCGTGGTACGGCCACCTTCTACCGGTACGCGGCGACCGACCTCCTCGTCTA
146 AAACCTCAACACGATCCCGGGCTCAAGTGGCTTAACAAGGAAAAAGATTTTTAGATCCCCTGGATGCAT
TTTGAGGTTGTGCTAGGGCCCCGAGTTACCGAATTGTTCTTTTTCTTCTAAAAAGTCTAGGGGACCTACGTA
219 GCGGCTAGACATGGGTGGGATGTGAAAAAGATGCACCACTCTTGAAGAACCGGGCAATCCATACAGGAA
CGCCGATCTGTACCCACCTACACCTTTTTCTACGTGGTGAAGAACTTTGGCCGTTAGGTATGTCTT
289 AGCATCAACCAGGAGTAGATAAACCTGATCCCAAAACATGGAAGCGGAATTTAGATGCGCCATGAATTCCTT
TCGTAGTTGGTCTCATCTATTTGGACTAGGGTTTTGTACCTTCGCTTAAAGTCTACGCGGTACTTAAGGAA
362 GCCTGATATTGAAGAGTCAAGGATAAAGCATAAAGAAAGGAAATATGCCTTCAGGGTCTACCGAATGCTG
CGGACTATAACTTCTCAGTTCCTATTTTCGTATTTCTTCTTTATACGGAAGTCCAGATGGCTTACGAC

Fig. 6

-  :starting methionine
 :complementary sequence for the hammerhead ribozyme
 :complementary sequence for the hairpin ribozyme
 Boxed sequences: target sequence for the chosen ribozyme
 Bold characters: target sequences for hammerhead ribozymes
 Bold and underlined characters: target sequences for both hammerhead and hairpin ribozymes